

pCMV-tdTomato Vector

Catalog No.

632534

Amount

20 µg

Lot Number

Specified on product label.

Description

The mammalian CMV promoter in pCMV-tdTomato allows the constitutive expression of the tandem version of the dimeric red fluorescent protein, Tomato, driven by the constitutive immediate early promoter of cytomegalovirus (CMV). This vector does not contain an MCS. It can be used for labeling purposes or as a cotransfection marker to determine transfection efficiency. We recommend the Living Colors® DsRed Polyclonal Antibody (Cat. No. 632496) for use with tdTomato.

- **Plasmid size:** 5.4 kb
- **Antibiotic Resistance:** Kanamycin (50 µg/ml) for propagation in *E. coli*

Package Contents

- 20 µg pCMV-tdTomato Vector (500 ng/µl)

Storage Conditions

- Store plasmids at –20°C.
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

Expiration Date

- Specified on product label.

Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- pCMV-tdTomato Vector Information
- pCMV-tdTomato Vector Sequence in GenBank Format

Takara Bio USA, Inc.

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Quality Control Data

Plasmid Identity & Purity

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Vector	Enzymes	Fragments
pCMV-tdTomato	NheI	5.4 kb
	AgeI, NotI	1.4 & 4.0 kb

- Vector identity was confirmed by sequencing.
- A₂₆₀/A₂₈₀: 1.8–2.0

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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STATEMENT 44

The DsRed-Monomer and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,671,185, 7,911,071 and 8,664,471.

STATEMENT 72

Living Colors Fluorescent Protein Products:

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4/19/2023

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The DsRed-Monomer, DsRed Express, E2-Crimson and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,250,298; 7,671,185; 7,910,714; 8,664,471 and 8,679,749.

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